

REMARKS

Claims 1-10 are pending in the present application. The Examiner has made a restriction requirement, restricting the claims into three groups, as follows:

- I.** Claim(s) 1, 2, 9, and 10, drawn to a method and related system for generating a corrected three-dimensional model of nucleic acids comprising generating an initial, uncorrected model of a test sequence by comparison to a reference sequence.
- II.** Claim(s) 3-6, drawn to a method and related system for predicting nucleic acid three-dimensional structure comprising computing a plurality of secondary structures of a test sequence and decomposing said secondary structures into nucleic acid structure motifs.
- III.** Claim(s) 7 and 8, drawn to a method and related system for refining nucleic acid structure predictions comprising calculating energy minimization terms for a test nucleic acid structure prediction model and optimizing force constraints.

To further business interests, Applicants have elected the Claims in Group II, Claims 3-6, without traverse. Claims 1-2 and 7-10 are cancelled herein without prejudice in view of the present restriction requirement. Applicants reserve the right to prosecute these claims in one or more Divisional Applications.

Claim 3 is amended herein to correct a typographical error and this amendment does not narrow the claim or contain new matter.

CONCLUSION

Should the Examiner believe that a telephone interview would aid in the prosecution of this application, Applicants encourages the Examiner to call the undersigned collect at (608) 662-1277.

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